## IN THE CLAIMS

Please amend the claims to read as follows:

## Listing of Claims

1. (Original) A method for transmitting data from a transmitter to a receiver of an ARQ communication system comprising the steps of:

encoding data received from a signal source using a forward error correction (FEC) code to generate Galois field (GF) symbols;

mapping the GF symbols using quadrature phase shift keying (QPSK) as modulation scheme;

transmitting the QPSK modulation symbols to the receiver; and

retransmitting modified QPSK modulation symbols to the receiver.

- 2. (Original) The method according to claim 1, wherein the modified QPSK modulation symbols are obtained by modifying the GF symbols prior to QPSK modulation.
- 3. (Original) The method according to claim 2, wherein the modification is obtained by an arithmetic operation.

- 4. (Original) The method according to claim 3, wherein the arithmetic operation is a multiplication of the GF symbols with a varying multiplier.
- 5. (Original) The method according to claim 4, wherein the multiplier is related to a transmission number.
- 6. (Original) The method according to claim 1, wherein the modified QPSK modulation symbols are obtained by mapping the GF symbols using a different QPSK modulation scheme.
- 7. (Currently Amended) The method according to one of claim[s] 1 to 6, wherein the modification of the QPSK modulation symbols is selected such that a maximum uniform distribution of the accumulated euclidean distance between the symbols is obtained.
- 8. (Currently Amended) The method according to one of claim[s] 1 to 7, wherein the GF symbols are GF(4) symbols, which are obtained either directly from the encoding operation or after conversion of GF(2) encoder symbols prior to QPSK modulation.
- 9. (Currently Amended) A transmitter for use in an ARQ communication system comprising:

a forward error correction (FEC) encoder <del>(120)</del> for receiving data from a signal source <del>(110)</del> and generating Galois field (GF) symbols;

a mapping unit <del>(130)</del> for mapping the GF symbols using QPSK as modulation scheme; and

a transmission unit (100) for transmitting QPSK modulation symbols and modified QPSK modulation symbols to a receiver.

- 10. (Currently Amended) The transmitter according to claim 9, wherein the mapping unit (130) comprises a plurality of mappers with (130-1...130-3) different modulation schemes to generate the modified QPSK modulation symbols in accordance with a transmission pattern.
- 11. (Currently Amended) The transmitter according to claims 9 or 10, further comprising a multiplication unit (121) for multiplying the GF symbols using a multiplier, which is related to a transmission number.
- 12. (Currently Amended) The transmitter according to one of claim[s] 9 to 11, further comprising a converter for converting encoded GF(2) symbols into GF(4) symbols.
- 13. (Currently Amended) A receiver in an ARQ communication system comprising:

a demapping unit (210) for demapping received GF symbols modulated with QPSK as modulation scheme, said demapping unit being adapted to demodulate GF symbols, which have been modified in accordance with a transmission pattern; and

an FEC decoder (220) for decoding and combining the output of said demapping unit.

- 14. (Currently Amended) The receiver according to claim 13, wherein the demapping unit (210) comprises a plurality of demappers with different demodulation schemes selected in accordance with a transmission pattern.
- 15. (Original) The receiver according to claim 13 or 14, further comprising a multiplication unit for multiplying the GF symbols using a multiplier, which is related to a transmission number.
- 16. (Currently Amended) The receiver according to claim[s] 13 to [15], wherein the FEC decoder (220) performs error decoding on the principle of euclidean distances in the complex signal space.
- 17. (Currently Amended) A communication system comprising a transmitter according to claim[s] 9 to 12 and a receiver according to claims 14 to 16 comprising (i) a demapping unit for demapping received GF symbols modulated with QPSK as modulation scheme, said demapping unit being adapted to demodulate GF

symbols, which have been modified in accordance with a transmission pattern, and (ii) an FEC decoder for decoding and combining the output of said demapping unit.